

Converting Colors

XYZ(47.7517, 36.5083, 99.1377)

Have a look what the booklet for
XYZ(47.7517, 36.5083, 99.1377)
contains.

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Color

**XYZ(47.6778, 36.4153,
99.1237)**

Conversions

Conversions Part 1

Format	Color
Hex	BA8CFF
RGB	186, 140, 255
RGB Percent	73%, 55%, 100%
CMY	0.2706, 0.4510, 0.0000
CMYK	0.27, 0.45, 0.00, 0.00
HSL	264°, 100%, 77%
HSV	264°, 45%, 100%
XYZ	47.6778, 36.4153, 99.1237
YIQ	166.8640, -9.4990, 45.5170

Conversions

Conversions Part 2

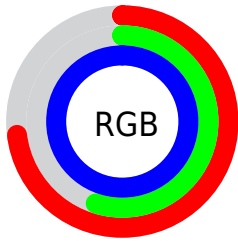
Format	Color
R _Y B	186, 140, 255
Decimal	12225791
CIE Lab	66.84, 40.23, -51.02
CIE LCh	67, 64.968, 308.257
Yxy	36.4153, 0.2602, 0.1988
Android (android.graphics.Color)	4290415871 (0xFFBA8CFF)
YUV	166.8640, 43.4510, 16.7823
Hunter-Lab	60.3451, 35.4264, -55.1490

Details

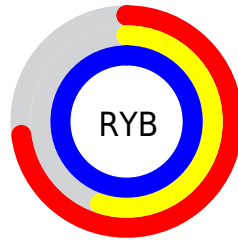
The XYZ color **47.6778, 36.4153, 99.1237** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **66.7884, 86.9689, 38.0788**, and the grayscale version is **36.4643, 38.3633, 41.7776**.

A 20% lighter version of the original color is **74.6500, 65.0367, 103.2266**, and **22.9713, 15.9678, 55.2975** is the 20% darker color. If you saturate the color by 10%, you get **40.8543, 27.9932, 97.8577**, and if you desaturate by 10%, it is **55.7650, 46.7718, 100.6965**.

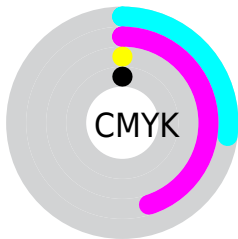
Distribution



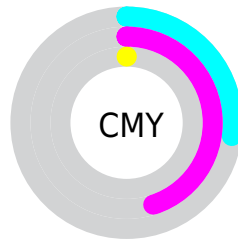
- Red (73%)
- Green (55%)
- Blue (100%)



- Red (73%)
- Yellow (55%)
- Blue (100%)



- Cyan (27%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6778, 36.4153, 99.1237 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 47.6778, 36.4153, 99.1237 by changing the saturation by 10% instead.


 47.6778, 36.4153,
99.1237


 47.6778, 36.4153,
99.1237


368.1175,
330.7721, 578.6022

 33.7820, 24.7551,
74.9561


 85.9371, 69.6726,
161.9938

 22.8883, 15.8947,
55.0754


 111.0313, 92.0385,
201.5334

 14.6313, 9.4497,
39.0631


 140.5890,
118.7417, 247.0340

 8.6456, 5.0356,
26.5006

174.9755,
150.1667, 298.9142

 4.5660, 2.2682,
16.9694

214.5563,
186.6979, 357.5926

 2.0271, 0.7568,
10.0510

259.6966,

 0.6491, 0.0000,

228.7196, 423.4877

5.3267

310.7619,
276.6162, 497.0181

■ 0.0000, 0.0000,
2.3781

■ 0.0000, 0.0000,
0.7745

■ 47.6778, 36.4153,
99.1237

■ 47.6778, 36.4153,
99.1237

■ 40.8543, 27.9932,
97.8577

■ 55.7650, 46.7718,
100.6965

■ 35.2179, 21.3739,
96.8771

■ 65.1788, 59.1740,
102.5942

■ 30.6883, 16.4155,
96.1588

■ 75.9821, 73.7295,
104.8343

■ 27.1721, 12.9517,
95.6755

■ 88.2322, 90.5372,
107.4328

■ 24.5566, 10.7786,
95.3939

95.0500, 100.0000,
108.9000

■ 23.5298, 10.0449,
95.3065

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.3965, 36.4153, 120.9227



47.6778, 36.4153, 99.1237



55.2941, 36.4153, 63.2624

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.6778, 36.4153, 99.1237



42.0931, 36.4153, 7.6354



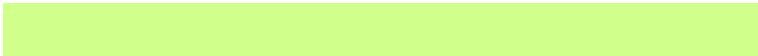
19.0788, 36.4153, 47.9394

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



47.6778, 36.4153, 99.1237



66.7884, 86.9689, 38.0788

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



19.8613, 36.4153, 22.7934



47.6778, 36.4153, 99.1237



31.9686, 36.4153, 6.5904

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.6778, 36.4153, 99.1237



51.6684, 36.4153, 14.6969



24.1816, 36.4153, 10.5309



21.7945, 36.4153, 83.4769

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.6778, 36.4153, 99.1237



57.1393, 36.4153, 41.3190



24.1816, 36.4153, 10.5309



18.9533, 36.4153, 38.0267

Sweetspot

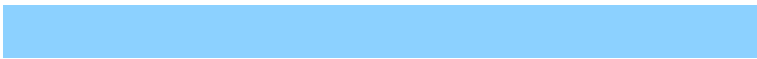
The Sweet Spot groups the original color and five complimentary colors.



47.6791, 36.4167, 99.1239



77.2539, 75.4612, 105.1015



51.6666, 58.3973, 103.1564



16.0035, 15.4281, 22.3844



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.6791, 36.4167, 99.1239



41.5434, 28.8265, 97.9822



64.5636, 45.1210, 99.9141



17.6907, 17.7323, 22.7402



12.4521, 5.3298, 49.8070



1.3317, 0.5804, 4.8551

Inverse Universe

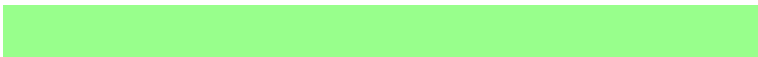
The Inverse Universe completely reimagines the original color for something new.



62.1272, 44.6206, 65.6598



58.0521, 38.2189, 58.9110



53.3499, 80.0411, 37.4499



18.4670, 18.1701, 21.0764



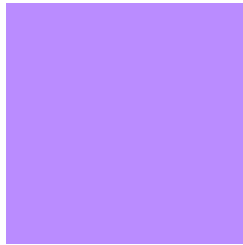
24.6288, 12.3408, 17.2276



2.4520, 1.2232, 1.9617

Previews

White Background



This preview shows how the XYZ color 47.6778, 36.4153, 99.1237 looks on a white background.

Color Contrast Check

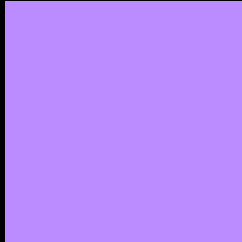
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 47.6778, 36.4153, 99.1237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

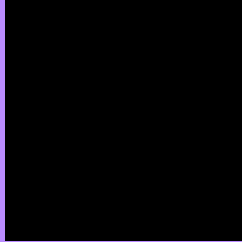
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.6778, 36.4153, 99.1237

Background



This preview shows how black text looks on a background with the XYZ color 47.6778, 36.4153, 99.1237.



This preview shows how white text looks on a background with the XYZ color 47.6778, 36.4153,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

47.6778, 36.4153, 99.1237

Protanopia

39.2250, 36.7972, 99.6429

Deuteranopia

37.6469, 36.5943, 95.5217



Tritanopia

36.3264, 36.2826, 43.6167

Trichromacy



Original Color

47.6778, 36.4153, 99.1237

Protanomaly

41.6540, 36.2984, 99.4186

Deuteranomaly

40.4540, 35.9791, 96.9080

Tritanomaly

39.7934, 35.9508, 60.7190

Monochromacy



Original Color

47.6778, 36.4153, 99.1237

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

39.8213, 37.2361, 59.1213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6778, 36.4153, 99.1237 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(186, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 140, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(186, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 140, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.6778, 36.4153, 99.1237 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 140, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(186, 140, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(186, 140, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 140, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 140, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 140,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6778, 36.4153, 99.1237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 140, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(186,  
140, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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